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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

| Sheet | 1 | of | 1 | |
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| Application Number | 10/520,033 | | |
| Filing Date | December 30, 2004 | | |
| First Named Inventor | CHAN, Lia Raquel | | |
| Art Unit | 1638 | | |
| Examiner Name | KUMAR, Vinod | | |
| Attorney Docket Number | 2510.0040000/JAG/SAC | | |

| | | | U.S. PATENT DO | CUMENTS | | |
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| Examiner Cite Initials No.1 | | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages | |
| initials 140. | | Number-Kind Code ^{2 (If Known)} | | | or Relevant Figures Appear | |
| | US1 | 5,981,729 | 11/09/1999 | Chun et al. | | |
| | US2 | 6,265,638 | 07/24/2001 | Bidney et al. | <u> </u> | |
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Complete if Known Substitute for form 1449/PTO **Application Number** 10/520,033 December 30, 2004 Filing Date INFORMATION DISCLOSURE CHAN, Lia Raquel First Named Inventor STATEMENT BY APPLICANT (Use as many sheets as necessary) Art Unit 1638 **Examiner Name** KUMAR, Vinod Attorney Docket Number 2510.0040000/JAG/SAC Sheet of

| | | NON PATENT LITERATURE DOCUMENTS | |
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| | NPL1 | BRAY, E.A., "Molecular Responses to Water Deficit," <i>Plant Physiol.</i> 103:1035-1040, American Society of Plant Physiologists (1993) | |
| | NPL2 | CARABELLI, M., et al., "The Arabidopsis Athb-2 and -4 genes are strongly induced by far-red-rich light," Plant J. 4:469-479, Blackwell Scientific Publishers (1993) | |
| | NPL3 | CENTURY, K., et al., "Regulating the Regulators: The Future Prospects for Transcription-Factor-Based Agricultural Biotechnology Products," <i>Plant Physiol.</i> 147:20-29, American Society of Plant Physiologists (May 2008) | |
| | NPL4 | CHAN, R.L., et al., "Homeoboxes in plant development," Biochim. Biophys. Acta. 1442:1-19, Elsevier Publishing Company (1998) | |
| | NPL5 | GAGO, G.M., et al., "Hahb-4, a homeobox-leucine zipper gene potentially involved in abscisic acid-dependent responses to water stress in sunflower," Plant Cell Environ. 25:633-640, Blackwell Scientific Publications (May 2002) | |
| | NPL6 | GEHRING, W.J., "Homeo boxes in the study of development," <i>Science</i> 236:1245-1252, American Association for the Advancement of Science (1987) | |
| | NPL7 | GEHRING, W.J., et al., "Homeodomain Proteins," Annu. Rev. Biochem. 63:487-526, Annual Reviews (1994) | |
| | NPL8 | HJELLSTRÖM, M., et al., "Constitutive expression of the water deficit- inducible homeobox gene ATHB7 in transgenic Arabidopsis causes a suppression of stem elongation growth," Plant Cell Environ. 26:1127-1136, Blackwell Scientific Publications (June 2003) | |
| | NPL9 | INGRAM, J., and Bartels, D., "The Molecular Basis Of Dehydration Tolerance In Plants," <i>Annu. Rev. Plant Physiol. Plant Mol. Biol.</i> 47:377-403, Annual Reviews Inc. (1996) | |
| | NPL10 | LEE, Y-H., and Chun, J-Y., "A new homeodomain-leucine zipper gene from <i>Arabidopsis thaliana</i> induced by water stress and abscisic acid treatment," <i>Plant Mol. Biol.</i> 37:377-384, Kluwer Academic (1998) | |

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| | | | | Examiner Name | KUMAR, Vinod |
| Sheet | 2 | of | 3 | Attorney Docket Number | 2510.0040000/JAG/SAC |

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| | NPL11 | LEUNG, J., and Giraudat, J., "Abscisic Acid Signal Transduction," Annu. Rev. Plant Physiol. Plant Mol. Biol. 49:199-222, Annual Reviews Inc. (1998) | |
| | NPL12 | LIU, Q., et al., "Two Transcription Factors, DREB1 and DREB2, with an EREBP/AP2 DNA Binding Domain Separate Two Cellular Signal Transduction Pathways in Drought- and Low-Temperature-Responsive Gene Expression, Respectively, in Arabidopsis," Plant Cell 10:1391-1406, American Society of Plant Physiologists (1998) | |
| | NPL13 | NAKASHIMA, K., and Yamaguchi-Shinozaki, K., "Molecular Studies on Stress-Responsive Gene Expression in <i>Arabidopsis</i> and Improvement of Stress Tolerance in Crop Plants by Regulon Biotechnology," <i>JARQ 39</i> :221-229, Japan International Research Center for Agricultural Sciences (October 2005) | |
| | NPL14 | OLSSON, A.S., et al., "The homeobox genes ATHB12 and ATHB7 encode potential regulators of growth in response to water deficit in Arabidopsis," Plant Mol. Biol. 55:663-677, Kluwer Academic (July 2004) | |
| | NPL15 | PALENA, C.M., "A monomer-dimer equilibrium modulates the interaction of the sunflower homeodomain leucine-zipper protein Hahb-4 with DNA," <i>Biochem. J. 341</i> :81-87, Portland Press (1999) | |
| | NPL16 | PIMENTEL, D., et al., "Water Resources: Agriculture, the Environment and Society," BioScience 47:97-106, American Institute of Biological Sciences (1997) | |
| | NPL17 | SCHENA, M., et al., "The HAT4 gene of Arabidopsis encodes a developmental regulator," Genes Dev. 7:367-379, Cold Spring Harbor Laboratory Press (1993) | |
| | NPL18 | SESSA, G., et al., "The Athb-1 and -2 HD-Zip domains homodimerize forming complexes of different DNA binding specificities," EMBO J. 12:3507-3517, Oxford University Press (1993) | |
| | NPL19 | SESSA, G., et al., "DNA-binding Specificity of the Homeodomain-leucine Zipper Domain," J. Mol. Biol. 274:303-309, Academic Press (1997) | |
| | NPL20 | SHINOZAKI, K., and Yamaguchi-Shinozaki, K., "Gene Expression and Signal Transduction in Water-Stress Response," <i>Plant Physiol.</i> 115:327-334, American Society of Plant Physiologists (1997) | |

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| | NPL21 | SÖDERMAN, E., et al., "The Arabidopsis homeobox gene ATHB-7 is induced by water deficit and by abscisic acid," Plant J. 10:375-381, Blackwell Scientific Publishers (1996) | |
| | NPL22 | SÖDERMAN, E., et al., "The HD-Zip gene ATHB6 in Arabidopsis is expressed in developing leaves, roots and carpels and up-regulated by water deficit conditions," Plant Mol. Biol. 40:1073-1083, Kluwer Academic (1999) | |
| | NPL23 | BRAY, E.A., "Plant Responses to Water Deficit," <i>Trends Plant Sci. 2</i> :48-54, Elsevier Science, Ltd. (1997) | |
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